

TGTCAAACACATAACATAAGTGACCGTGAAGTCATTAAATTATATTCAATC

TAATCAAACATGGAGAAGAAATCACTAGCTGGCTTATGCTTCCCTTGGTTCTCTTGT
M E K S L A G L C F L V L F V

GCACAAGAAATTGTGGTGACAGAACGCCAGAACATGTGAGAAATTGGCAGATAAAATAGGGAC
A Q E I V T E A R T C E N L A D K Y R G P
△

CATGCTTTAGTGGTTGACACTCACTGCACAAACCAAAAGAGAACGCCAGTTAGTGGAAAGGTGTAG
C F S G C D T H C T T K E N A V S G R C R

GGACGACTTCCGCTGCTGGTACTAAAAGATGTTAAATGGATCTCCTCCAACATCAAGATGTG
D D F R C W C T K R C *

CATGGAATAGTCTTATAATAAAACTAAATAAAATAGCAGTATAGCTACAACTTCAT
CTATTATGTA

CTAAATAAGTAATTTCGTNNTCCAAAAA
AAAAA

FIG. 1

pI230	MEKKSLACLSFLLLVLFVAQEIVWSEANTCENLAGSYKGVCFGGCDRHCRTQEGAISGRCRDDFRCWCTKNC
A1 fAFP2	MEKKSLAGLCFLFLVLFVQEIMVTEAATCENLANTYRGPCFGGCDFHCKTKEHLLSGRCRDDFRCXXXXX
A1 fAFP1	XXXXXXXXGLCFLFLVLFVAQEIVVTEARTCENLADKYRGPCFSGCDTHCTTKENAVSGRCRDDFRCWCTKRC
pI230	MEKKSLACLSFLLLVLFVAQEIVWSEANTCENLAGSYKGVCFGGCDRHCRTQEGAISGRCRDDFRCWCTKNC

FIG. 2

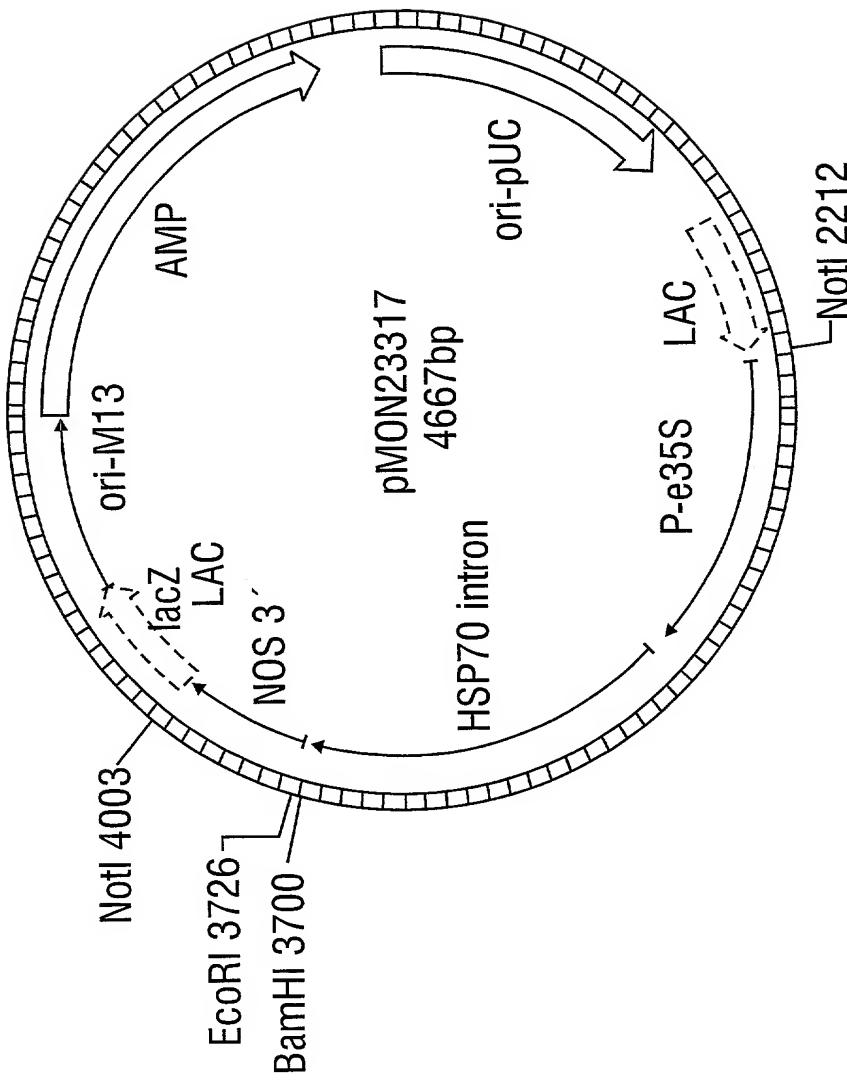
Applicant: Jihong Lioung et al.
Serial No.: 10/010,731
Howerly matter No.: 11899.0193.DVUS02
Title: Antibiotic Peptide from Alfalfa and Methods for
Controlling Plant Pathogenic Fungi
Attorney: Darrell Dotson 713.787.1524

Title: Antifungal Polypeptide from Alfalfa and Methods for
Howery Matter No: 11899.0193.DVUS02
Serial No: 10/010,731
Applicant: Jihong Lioung et al.
Sheet 3 of 10

A1 fAFP2	TGTCAAACACATAACACATAAAGTGACCGTCAATTAAATTATA
A1 fAFP1	- - - - -
A1 fAFP2	TATATTCAATCTAACACTATGGAGAAGAAATCACTAGCTGGCTTA
A1 fAFP1	- - - - -
A1 fAFP2	TGCCCTCCTCTCGTTCTCTTGAACAGAAATTATGGTGACCGGAG
A1 fAFP1	TGCCCTCCTCTCGTTCTCTTGCACAGAAATTGTGACAGAA
A1 fAFP2	GCAGCTACTTGTGAGAATTGGCTAACACATACAGGGACCATGCTTCGGT
A1 fAFP1	GCCAGAACATGTTGAGAATTGGAGATAATAAGGGACCATGCTTTAGT
A1 fAFP2	GGTTGTGACTTTCACTGCAAAACCAAGAACACTTACCTAGCGGXAGGTGC
A1 fAFP1	GGTTGTGACACTCACTGCACAACCAAGAGAACCGCAGTTAGTGGAAAGGTGT
A1 fAFP2	AGGGACGACTTCCGCTGCTGGATCC
A1 fAFP1	AGGGACGACTTCCGCTGCTGGATCC

FIG. 3

FIG. 4



Application: Jihong Liou et al.
Serial No.: 10/010,731
Holder's matter No.: 11899.0193.DVUS02
Title: Antifungal Polypeptide from Alfalfa and Methods for
Controlling Plant Pathogenic Fungi
Attorney: Darrell Dossen 713.787.1524

FIG. 5

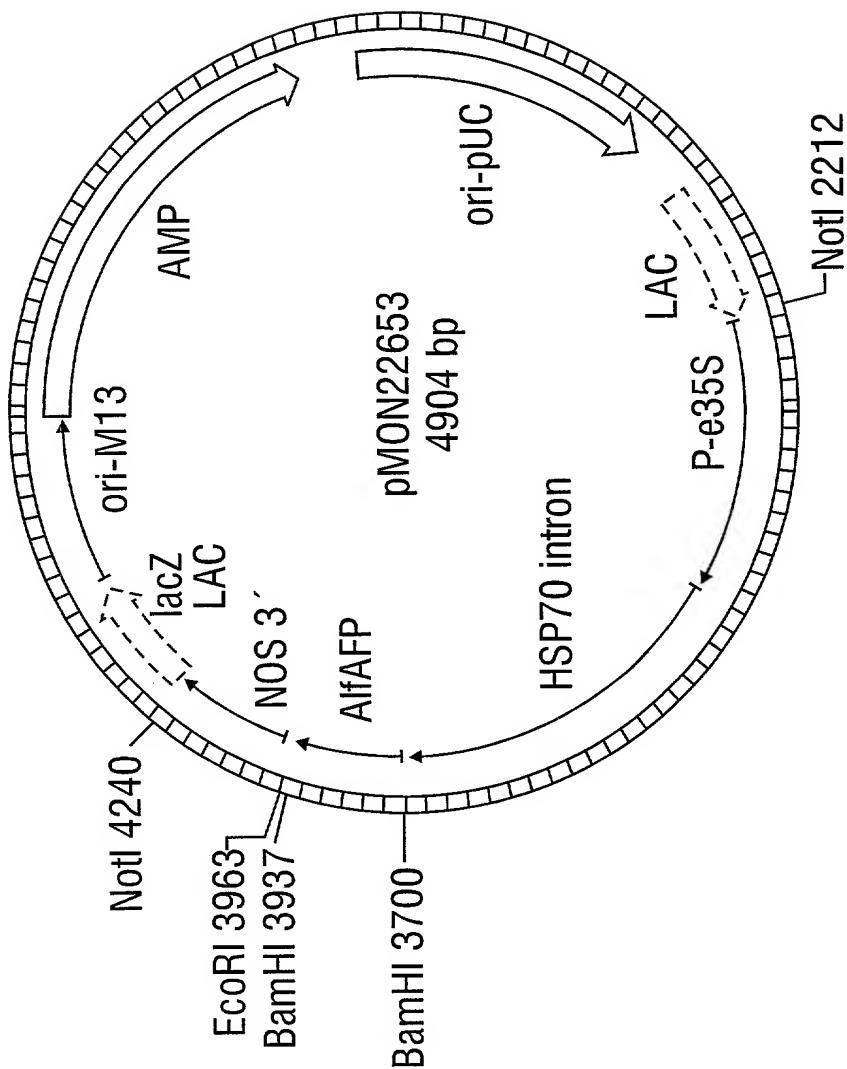
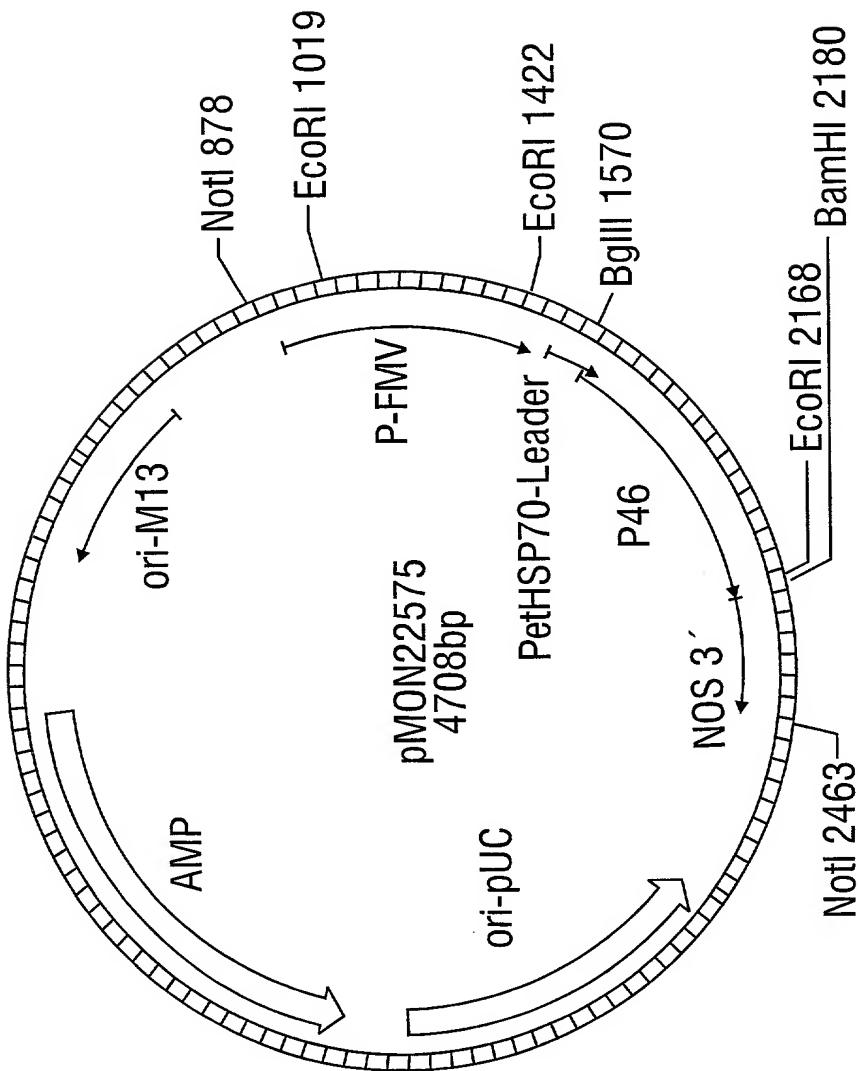
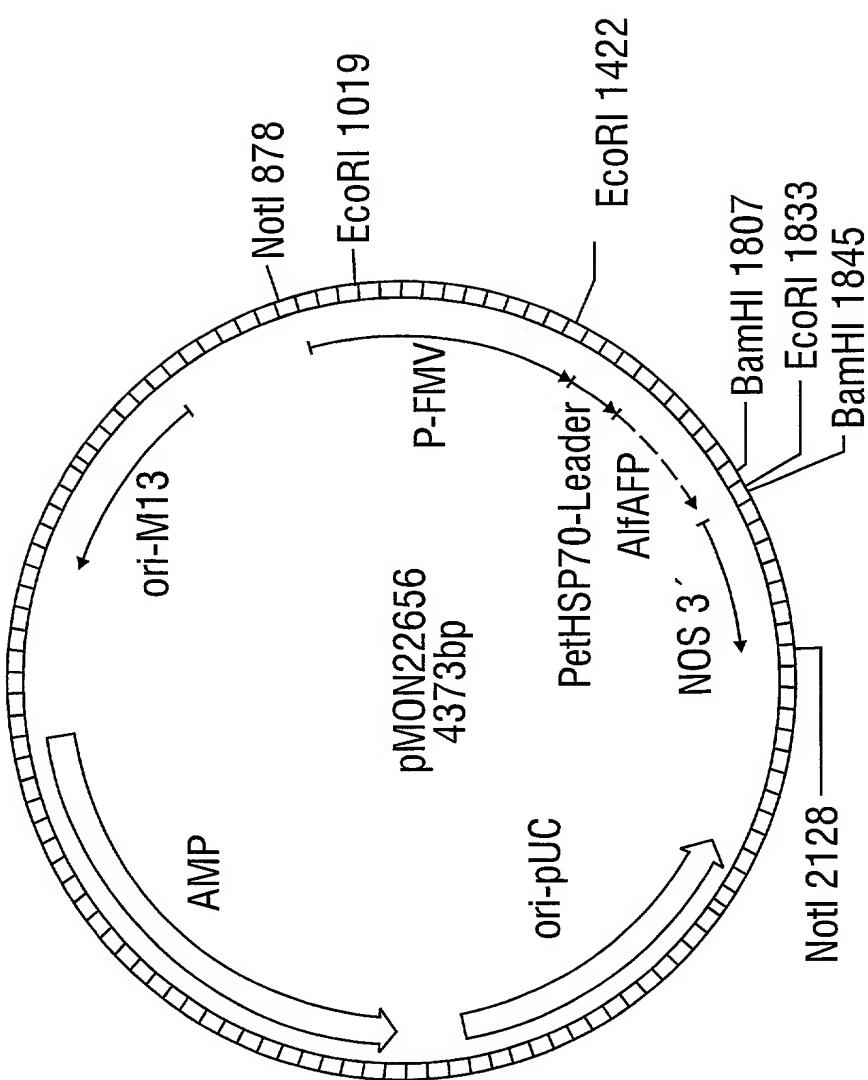


FIG. 6



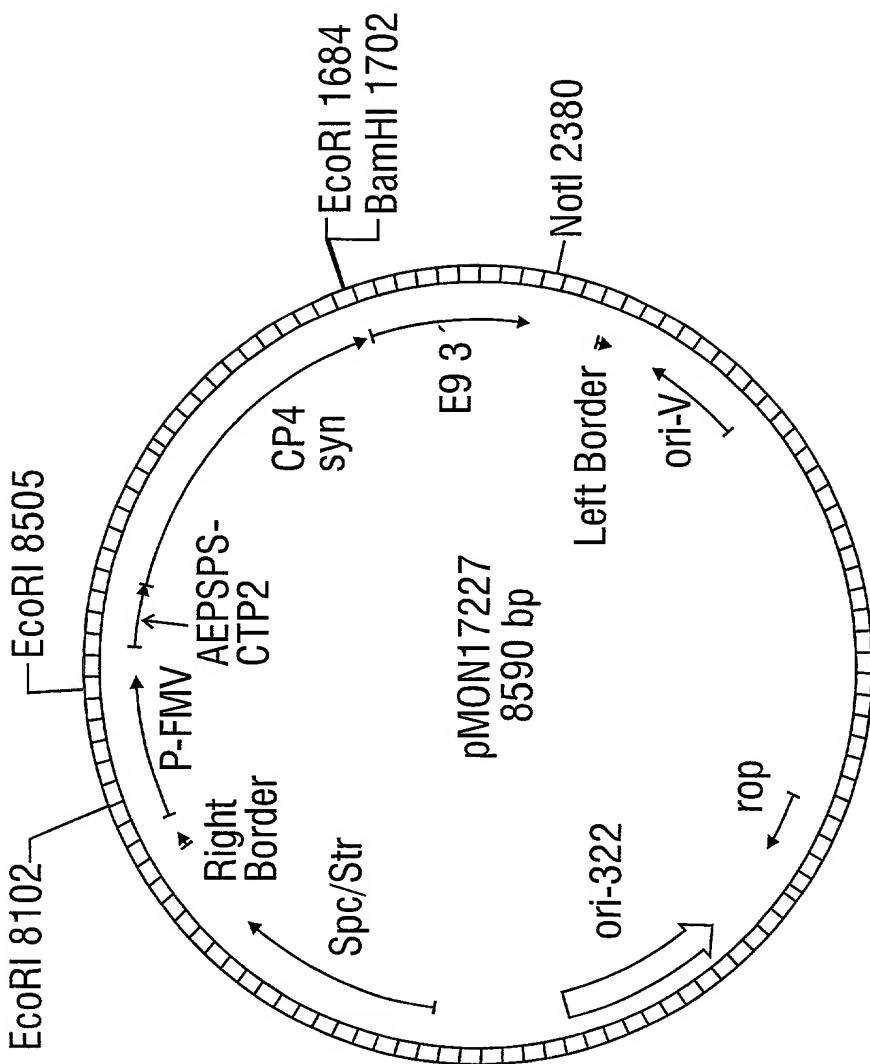
Applicant: Jihong Lioung et al.
Serial No.: 10/010,731
Howery matter No.: 11899.0193.DVUS02
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FIG. 7



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Serial No.: 10/010,731
Howery matter No.: 11899.0193.DVUS02
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Attorney: Darrell Dotsen 713.787.1524

FIG. 8



Applicant: Jilong Lioung et al.
Serial No.: 10/010,731
Howerly matter No.: 11899,0193.DVUS02
Title: Antifungal Polypeptide from Alfalfa and Methods for
Controlling Plant Pathogenic Fungi
Atomey: Darrell Dotson 713,787,1324

FIG. 9

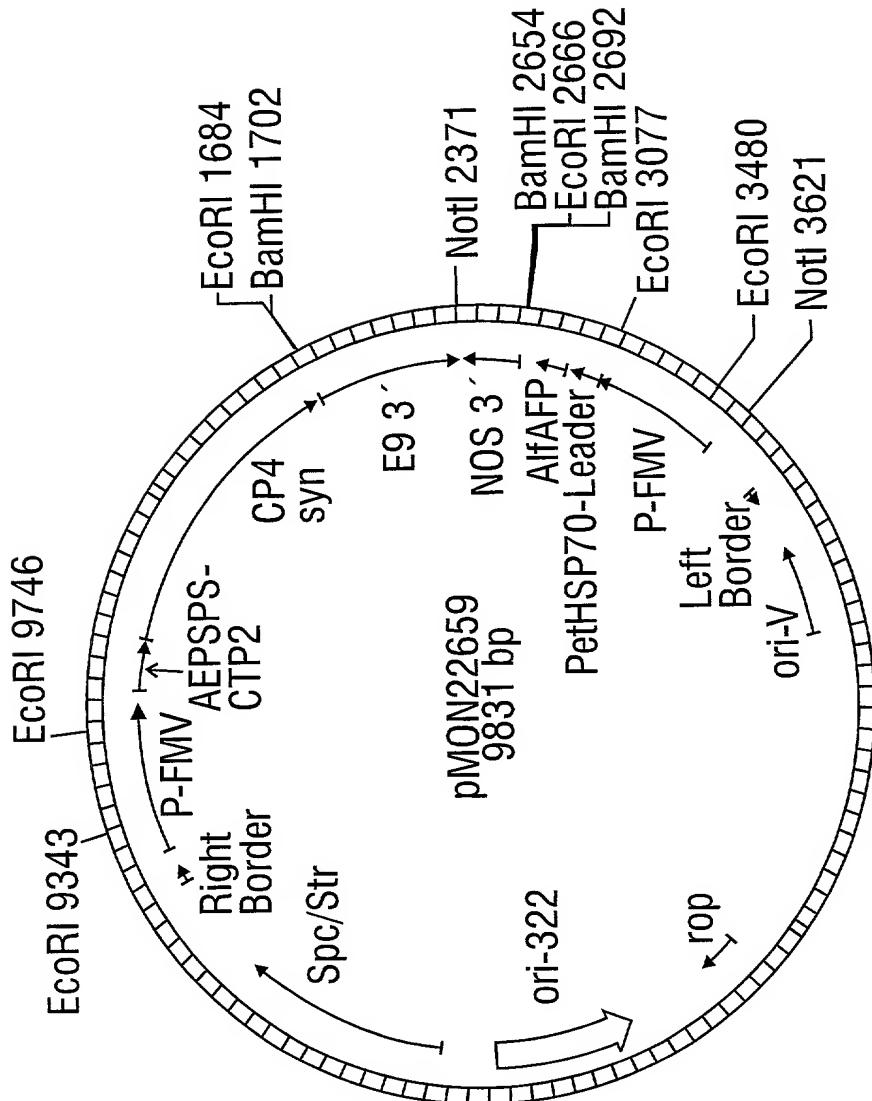


FIG. 10

